Application No.: HM157742

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Circuit Description

The 433.92MHz crystal oscillator drives the base of Q5 the final/buffer amplifier. The modulation provided by IC. The output of Q5 has the matching network consisting of R9 and L3 that limit the harmonic content and effect the proper coupling of the antenna to the output stage.

Antenna, Ground and Power Source

There is no external antenna**.** There is no external ground connection. The ground is only that of the printed circuit board. Electric current is supplied by a 3 Volt ("AAA" size battery x 2) primary battery.

Operation Descriptions

The transmitter is a RF thermometer operating at 433.92MHz band. The transmitter is powered by a 3V battery ("AAA" size battery x2) and the transmitting frequency is crystal controlled. The operation is achieved by different combinations of form pulse modulating signal on the 433.92 carrier frequency.

Remarks:
The transmitter is a periodic transmitter.
It is Pulse transmitter, Modulation by IC; and type is Pulse modulation.